## **ATTORNEY REF. NO. 87324.1600**

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## **ABSTRACT**

All aluminum alloy is disclosed that includes 6.5 to 8.5 percent silicon, 0.6 to 1.0 percent iron, 0.0 to 0.5 percent manganese, 0.35 to 0.65 percent magnesium, 0.0 to 1.0 percent zinc, 0.0 to 0.2 percent titanium, 2.0 to 2.5 percent copper, and aluminum as the remainder with further one or more other elements that are 0.0 to 0.15 percent of the weight of the aluminum alloy. An aluminum alloy of the above composition is high in strength and suitable for use with SSM methods of casting, such as Rheocasting and Thixocasting.